

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067593.D
 Acq On : 1 Jul 2021 13:11
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070121

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 2:01:02 PM

Quant Time: Jul 02 06:44:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.659	128	69228	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	396304	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	377090	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	179967	32.170	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.233%			
60) 4-Bromofluorobenzene	12.733	95	176375	28.751	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.833%			
63) Toluene-d8	10.443	98	514912	29.842	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	80149	18.695	ug/l	98
3) Chloromethane	2.301	50	100720	19.517	ug/l	99
4) Vinyl Chloride	2.440	62	152644	18.792	ug/l	95
5) Bromomethane	2.856	94	132222	20.180	ug/l	91
6) Chloroethane	3.017	64	112290	18.747	ug/l	92
7) Trichlorofluoromethane	3.371	101	282470	18.241	ug/l	96
8) Diethyl Ether	3.819	74	82128	20.388	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.205	101	63547m	18.642	ug/l	
10) 1,1-Dichloroethene	4.173	96	62012	18.436	ug/l	89
11) Methyl Iodide	4.414	142	70949	15.840	ug/l	92
12) Methyl Acetate	4.859	43	88737	20.558	ug/l	93
13) Acrolein	4.036	56	63965m	105.087	ug/l	
14) Acrylonitrile	5.559	53	193194	96.360	ug/l	98
15) Acetone	4.293	58	48224m	102.680	ug/l	
16) Carbon Disulfide	4.521	76	171035	17.703	ug/l	99
17) Allyl chloride	4.832	41	107526	18.129	ug/l	96
18) Methylene Chloride	5.098	84	83812	19.205	ug/l	91
19) trans-1,2-Dichloroethene	5.594	96	71389	17.651	ug/l	87
20) Diisopropyl ether	6.501	45	261800	18.251	ug/l #	94
21) 1,1-Dichloroethane	6.388	63	140417	18.329	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	87617	17.714	ug/l	90
23) tert-Butyl Alcohol	5.390	59	76421m	100.169	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	261212	18.482	ug/l	94
25) Chloroform	7.820	83	153164	17.738	ug/l	99
26) Cyclohexane	8.096	56	118725	17.155	ug/l #	94
29) 1,1-Dichloropropene	8.222	75	111501	17.955	ug/l	97
30) 2-Butanone	7.340	43	275096	97.077	ug/l #	94
31) 2,2-Dichloropropane	7.327	77	109876	16.620	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	130507	16.770	ug/l	97
33) Carbon Tetrachloride	8.206	117	109047	16.530	ug/l	99
34) Benzene	8.461	78	330036	17.238	ug/l	98
35) Methacrylonitrile	7.635	41	60714m	19.701	ug/l	
36) 1,2-Dichloroethane	8.533	62	125492	17.818	ug/l	98
37) Trichloroethene	9.220	130	84045	17.540	ug/l	86
38) Methylcyclohexane	9.461	83	116713	16.906	ug/l	93
39) 1,2-Dichloropropane	9.494	63	85232	17.807	ug/l	98
40) Dibromomethane	9.579	93	63724	18.006	ug/l	94
41) Bromodichloromethane	9.765	83	118267	17.220	ug/l	99
42) Vinyl Acetate	6.436	43	1119699	90.214	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	107057	17.405	ug/l #	74
44) Isopropyl Acetate	8.566	43	202572	18.586	ug/l	97
45) 1,4-Dioxane	9.574	88	31733	371.202	ug/l #	89
46) Methyl methacrylate	9.563	41	84766	18.156	ug/l	91
47) n-amyl Acetate	12.390	43	158179	17.257	ug/l	97
48) t-1,3-Dichloropropene	10.722	75	123141	16.665	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	130454	16.748	ug/l	96
50) 1,1,2-Trichloroethane	10.902	97	86984	17.395	ug/l	94
51) Ethyl methacrylate	10.765	69	135371	17.182	ug/l	94
52) 1,3-Dichloropropane	11.046	76	145517	17.616	ug/l	100
53) Dibromochloromethane	11.242	129	86061	15.972	ug/l	99
54) 1,2-Dibromoethane	11.350	107	89108	17.077	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	135680	80.959	ug/l	98
56) Bromoform	12.463	173	53558	14.277	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	617666	94.125	ug/l	97
59) 2-Hexanone	11.089	43	435894	95.357	ug/l	96
61) Tetrachloroethene	10.979	164	81147	17.466	ug/l	96
62) Toluene	10.507	91	382651	17.252	ug/l	99
64) Chlorobenzene	11.773	112	224060	17.049	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	81683	16.679	ug/l	98
66) Ethyl Benzene	11.848	91	417574	17.082	ug/l	97
67) m/p-Xylenes	11.956	106	319598	33.678	ug/l	87
68) o-Xylene	12.286	106	159229	16.843	ug/l	86
69) Styrene	12.296	104	255864	16.478	ug/l	93
70) Isopropylbenzene	12.583	105	401293	16.590	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	123877	17.808	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	114537m	18.920	ug/l	
73) Bromobenzene	12.865	156	89681	16.356	ug/l	77
74) n-propylbenzene	12.924	91	457950	16.751	ug/l	96
75) 2-Chlorotoluene	13.010	91	281209	17.107	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	328908	16.466	ug/l	97
77) t-1,4-Dichloro-2-butene	12.629	75	29984	15.107	ug/l	96
78) 4-Chlorotoluene	13.106	91	271670	16.617	ug/l	92
79) tert-butylbenzene	13.326	119	273846	16.299	ug/l	90
80) 1,2,4-Trimethylbenzene	13.372	105	324991m	16.516	ug/l	
81) sec-Butylbenzene	13.506	105	378585	16.389	ug/l	98
82) p-Isopropyltoluene	13.618	119	305019	16.101	ug/l	95
83) 1,3-Dichlorobenzene	13.618	146	164227	16.137	ug/l	94
84) 1,4-Dichlorobenzene	13.696	146	159835	16.216	ug/l	95
85) n-Butylbenzene	13.946	91	253604	16.199	ug/l	97
86) Hexachloroethane	14.214	117	50027	15.482	ug/l	95
87) 1,2-Dichlorobenzene	13.991	146	161604	16.479	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.605	75	21705	17.454	ug/l #	72
89) 1,2,4-Trichlorobenzene	15.265	180	71684	16.979	ug/l	98
90) Hexachlorobutadiene	15.373	225	33466	17.105	ug/l	96
91) Naphthalene	15.509	128	236454	18.175	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	71399	17.730	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

